



PTO/SB/08A (08-03)  
Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

of

### Complete if Known

Application Number	09/759,425
Filing Date	1/12/01
First Named Inventor	Rice
Art Unit	2229 3621
Examiner Name	Cangialosi, Salvator
Attorney Docket Number	012.P1009

### U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
SGR	1	US- 4,730,340	03/08/1988	Frazier Jr.	
SGR	2	US- 4,872,200	10/03/1989	Jansen	
SGR	3	US- 4,984,247	01/08/1991	Haufmann, et al.	
SGR	4	US- 5,029180	07/02/1991	Cowart	
SGR	5	US- 5,031,173	07/09/1991	Short, et al.	
SGR	6	US- 5,063,571	11/05/1991	Vanacraegnest	
CRA	7	US- 5,084,900	01/28/1992	Taylor	
CRA	8	US- 5,099,493	03/24/1992	Zeger, et al.	
CRA	9	US- 5,111,478	05/05/1992	McDonald	
		US-			

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

Examiner  
Signature

S. Cangialosi

Date  
Considered

8/04

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



Substitute for Form 1429/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

2

of

2

Complete if Known	
Application Number	09/759,425
Filing Date	1/12/01
First Named Inventor	Rice
Art Unit	2323 3621
Examiner Name	Cangialosi, Salvator
Attorney Docket Number	012.P1009

### NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	10	Spread Spectrum Techniques Handbook, 2nd Ed., Radian Corporation, (March 1979), pp. 2-21 et seq.	
SC	11	PK ENGE, et al., "Spread-Spectrum Multiple-Access Performance of Orthogonal Codes: Linear Receivers," IEEE Transactions on Communications,	
		Vol. COM-35, No. 12, (December 1987) pp. 1309-1319.	
	12	K. PAHLAVAN, et al., "Spread-Spectrum Multiple-Access Performance of Orthogonal Codes for Indoor Radio Communications,"	
		IEEE Transactions on Communications, Vol. 38, No. 5, (May 1990), pp. 574-577.	
	13	R. GOLD, "Optimal Binary Sequences for Spread Spectrum Multiplexing," IEEE Transactions on Information Theory, Vol. IT-13, (October 1967), pp. 119-121.	
SC	14	DV SARWATE, et al., "Crosscorrelation Properties of Pseudorandom and Related Sequences," Proceedings of the IEEE, Vol. 68, No. 5, (May 1980), pp. 593-619.	
	15	DL SCHILLING, et al. "Spread Spectrum Goes Commercial," IEEE Spectrum, Vol. 27, No. 6, (August 1990), pp. 40-45.	
	16	FJ MACWILLIAMS, et al., "The Theory of Error Correcting Codes," North-Holland Publishing Company, (1978), pp. 301-305.	

Examiner Signature	S. Cangialosi	Date Considered	9/04
--------------------	---------------	-----------------	------

\*EXAMINER: Initial if reference considered. Whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.